

**13<sup>th</sup> Inter-University Engineering, Science & Technology  
Academic Meet – 2023  
&  
Innovative Model Competition for a Sustainable Society**

**23<sup>rd</sup> April, 2023**  
(Offline mode)

*Organised by*



**Forum of Scientists, Engineers & Technologists  
(FOSET)**

*In Collaboration with*



**SISTER NIVEDITA UNIVERSITY**



**Maulana Abul Kalam Azad University of Technology  
West Bengal**



**Indian Society for Technical Education  
West Bengal Section**



**The Association of Engineers, India**

## About the Academic Meet

After an overwhelming response from the students of Engineering Colleges all over the country in the Academic Meets of 2010 to 2022, Forum of Scientists, Engineers & Technologists (FOSET), a national level voluntary organization of professionals feels proud once again to organize the **13<sup>th</sup> Inter University Engineering, Science & Technology Academic Meet - 2023 & Innovative Model Competition for a Sustainable Society** on 23 April, 2023 in association with **Maulana Abul Kalam Azad University of Technology - West Bengal, Techno India Group, Indian Society for Technical Education - West Bengal Section, Association of Engineers India and Sister Nivedita University.**

West Bengal produces some of the finest talents in the field of Engineering, Technology and Science through its systematic and well-organized network of Engineering Colleges and Universities. The Academic Meet is recognized as an effective platform for exploration and brainstorming by UG and PG students, who have the positive inclination in translating their scientific knowledge into technology for the people. The event includes paper presentations before eminent experts in different fields. UG students & PG students' avenues are opened up for presenting skill of craftsmanship. **Also, by the process of paper submission, the students will gain experience in preparing papers in proper format and free of plagiarism.** The two best papers from each stream will be awarded as a token of recognition. The **13<sup>th</sup> Inter University Engineering, Science & Technology Academic Meet - 2023** will therefore look forward to organizational expansion among the budding Scientists and Engineers participating in the Meet.

### Venue

**Sister Nivedita University, Rajarhat, New Town**

### Advisors

**Dr. K. K. Satpathy**, President, FOSET  
**Prof. Subimal Sen**, Former Chairman, WB Higher Education Council & former President, FOSET  
**Prof. Saikat Maitra**, Vice Chancellor, MAKAUT  
**Prof. Satyam Roy Chowdhury**, Chancellor, Sister Nivedita University  
**Prof. Dhrubajyoti Chattopadhyay**, Vice Chancellor, Sister Nivedita University  
**Prof. Anupam Basu**, Pro Vice Chancellor, Sister Nivedita University  
**Dr. N. R. Banerjee**, President, ISTE, West Bengal Section, Former V.C., BESU, Shibpur and Former President, FOSET  
**Prof. N. R. Bandopadhyay**, School of Material Science, IEST, Shibpur  
**Mr. Goutam Ray**, Executive Director, CESC Ltd.  
**Mr. Subhendu Mitra**, General Manager, WBPDC  
**Mr. Saibal Mukherjee**, Former Director of Technical Education & Training, Govt. of West Bengal  
**Prof. Manas Kumar Sanyal**, Dept. of Human Resource Management, IEST, Shibpur  
**Prof. Ashik Paul**, Institute of Radio Physics and Electronics, University of Calcutta  
**Dr. Gautam Bandyopadhyay**, Hony Secretary, The Association of Engineers, India  
**Mr. Gopinath Chatterjee**, Chief Engineer, KMDA  
**Dr. Nilanjan Sengupta**, Former Director (Technical), IEI

### Organising Committee

<b>Chairperson</b>	<b>Prof. Jaya Sil</b> , Dept. of Computer Science & Technology, IEST, Shibpur
<b>Vice Chairperson</b>	<b>Prof. Sampa Chakrabarti</b> , Department of Chemical Engineering, University of Calcutta
<b>Organising Secretary</b>	<b>Mr. Prabhat Kumar Bera</b> , General Secretary, FOSET
<b>Jt. Convener</b>	<b>Dr. Goutam Kumar Das</b> , Techno India University <b>Dr. Jyoti Sekhar Banerjee</b> , Bengal Institute of Technology, Kolkata <b>Mr. Devmalya Banerjee</b> , Abacus Institute of Engineering and Management
<b>Treasurer</b>	<b>Dr. Nachiketa Das</b> , Treasurer, FOSET

### Technical Committee

<b>Chairman</b>	<b>Mr. Saibal Sengupta</b> , Former Jt. Director, Industrial Training Institute, Tollygunge.
<b>Vice Chairman</b>	<b>Prof. Santanu Kumar Sen</b> , Principal, Guru Nanak Institute Of Technology <b>Mr. Debasish Kundu</b> , Joint Secretary FOSET
<b>Joint Convener</b>	<b>Mr. Indrajit Pandey</b> , Techno International, Newtown <b>Dr. Anirban Mitra</b> , Sister Nivedita University <b>Mr. Shyam Kishor Mondal</b> , Syamaprasad College
<b>Members</b>	<b>Dr. Aishwarya Mukherjee</b> , HETC <b>Dr. Barnali Kundu</b> , GNIT <b>Dr. Sadip Midya</b> , SNU <b>Mr. Arijit Seal</b> , FOSET <b>Mr. Anindya Ghosh</b> , SVIST <b>Dr. Avijit Chakraborty</b> , TIU <b>Dr. Ankita Dhar</b> , SNU <b>Dr. Soumadip Ghosh</b> , SNU <b>Mr. Sumanta Bhattacharaya</b> , GCST <b>Ms. Mousumi Bhattacharya</b> , SNU <b>Dr. Asmita Roy</b> , SNU <b>Mr. Sourav Ghosh</b> , CIEM <b>Dr. Saikat Maity</b> , SNU <b>Dr. Souvik Pal</b> , SNU <b>Mr. Arkadev Kundu</b> , FOSET <b>Dr. Deb broto Pal Chowdhury</b> , SNU

### Objectives of the programme

- To provide a forum to nurture science & technology
- To explore and encourage scientific and technological talent and creative thinking among youth.
- To develop an understanding about the role of science and technology towards sustainable development of the society.
- To analyze how science and technology have affected individuals, culture and society.
- To motivate the youth about science and technology as instrument for achieving self-reliance in socio-economic development.

## Important Dates

➤ Last date for submission of Full Text of Paper / Model Proposal:	17.03.2023
➤ Date of Notification of Acceptance:	10.04.2023
➤ Last Date of Submission of Registration:	15.04.2023
➤ Academic Meet - Paper & Model Presentation:	23.04.2023

## Publication

**Some selected papers from Academic meet 2022 was published by the American Journal of Advanced Computing (AJAC,USA), <https://ajac.smartsociety.org/special-issue/>. Others papers are assigned with DOI No. & ISBN No. Academic meet 2023 proposal submitted, approval awaiting. Few extended papers will be invited for book chapters in internationally reputed publishers.**

## Programme Details

<u>Date</u>	<u>Session</u>	<u>Time</u>
23 <sup>rd</sup> April, 2023	Registration	09.00 AM to 10.15 AM
	Inauguration	10.30 AM to 11.00 AM
	Mr. Sailapati Gupta Memorial Lecture	11.00 AM to 11.30 AM
	Technical Session - I	11.30 AM to 02.00 PM
	Technical Session - II	02.30 PM to 05.00 PM
	Valedictory Session	05.30 PM to 06.30 PM
	Exhibition of Models	12.00 PM to 04.00 PM

## Call for Papers and Submission Guidelines

Papers are invited from Under-Graduate & Post-Graduate students of Universities & Engineering Colleges on Ready-to-Transfer Technologies and Field-level and Cost-effective Applications of Science and Technology. Engineering Students of Bachelor and Masters Levels, Science Students of Masters Level and students of Master of Computer Applications can participate in the programme.

**Papers have to be prepared based on the format available under the following link:**

**<https://foset.org.in/index.php/academic-meet-2023/>**

Papers should not be less than 1500 words and more than 3000 words. There should not be more than five figures and five tables. Maximum 5(Five) authors per paper are allowed. Papers have to be submitted through ONLINE using the link given below within 17.03.2023. Authors are requested to mention the theme through the google form when he/she submit the paper. After the similarity is found to be below 30%, the papers will be processed for peer review and accepted papers will be considered for presentation in the Meet.

**Submission Link:- <https://forms.gle/RDvhCQkNAYU3hqQB6>**

## Call for Models

Models are invited from students of Engineering Colleges, Polytechnics and ITI institutes on Ready-to-Transfer Technology and Field-level and Cost-effective Applications of Skills in various departments of Craftsmanship. Stipulated time for presentation is 10 Minutes. Only power supply will be provided for model presentation from our end. Maximum 4(Four) members per group will be allowed. **A brief of 300 words (approx) on the model mentioning 1) Brief description, 2) The motivation for the Model, 3) Societal cause, and 4) Cost** has to be submitted to [foset.academicmeet@gmail.com](mailto:foset.academicmeet@gmail.com) within 14.03.2023.

## Awards

- Certificates will be awarded only to registered paper presenters and model makers.
- Prizes will be awarded to the Best Paper / Model from each discipline. ISTE WB Section will sponsor prizes.

## Theme & Scope for Paper Presentation

1. Agricultural, Bio-Technology & Food Nutrition
2. Architecture, Civil & Environment
3. Chemical & Pharmaceutical
4. Computer Science & IT
5. Electrical & Instrumentation
6. Electronics & Communication
7. Mechanical, Production & Material Science
8. Textile & Fibre Technology
9. Interdisciplinary

## Guidelines for Model Exhibition

### Science & Technology Exhibition for a Sustainable Society

#### Introduction

“FOSET” will organize a Science & Technology Exhibition through models and exhibits as made by the students to meet the demands of the future towards sustainable development of the society.

The main objective to organize such exhibition, in this arena of “Academic Meet”, to enable the Engineers & Technicians of the future to analyze all aspects of the role of Science & Technology for a sustainable world. This will enable the Target group to generate scientific and technological ideas for addressing various problems of the society. Scientific and technological ideas in this context may be referred to as innovative ways of doing.

## Focus areas of the Exhibition

1. COVID-19 Combating device
2. Smart Agri friendly Device
3. Intelligent Elderly care device
4. Smart City related projects
5. Intelligent Automation
6. Software-based models: Application of AI/ML, Application of Blockchain, Application of Cyber security, Application of Data Science, Any other cutting edge technologies
7. Safety and Environmental Engineering
8. Not limited in the above mentioned list.

*(Areas listed above are suggestive. The young engineers and technicians are free to choose any other area and develop exhibits involving technology for sustainable development of the society)*

## Criteria for selection of the participants of Model Exhibition

<u>Description of criteria for selection of students</u>	<u>Weightage in %</u>
Creative imagination	15
Scientific thought and approach	15
Originality & innovations in the model	15
Technical Skill	15
Economic (low cost / portability / durability)	15
Presentation (demonstration & explanation)	15
Educational Value	10

## Registration

Everybody has to register through the following link:

<https://forms.gle/T2k64HcUXGkxbCEH9>

All the members of papers and model have to register within **15.04.2023**. After 15.04.2023 no registration will be accepted and certificate will be provided only the registered candidate. **Papers and models can be presented by students only.**

### **Registration Fee for Participants:**

Registration Fee @ Rs.300/- per participant has to be paid by online transfer and a copy of the transaction slip in .pdf format (maxm. size 1MB) has to be uploaded in the form.

### **Details for online transfer:-**

Payee: Forum of Scientists, Engineers & Technologists

Account No.: 401210100020517

Bank Name: Bank of India

IFSC: BKID0004012

(Please attach the copy of the transaction slip with the registration form)

## Collaboration/Sponsorship

Collaboration of the Academic Meet from government / private institutions @ Rs. 50,000/- Sponsorships from government and private institutions/organisations @Rs.30,000/-  
Supporters of particular Theme @ Rs. 20,000/-

## Advertisement

(A special issue of THOUGHT will be published with the Awarded Papers after the Meet)

Cover Page @ Rs. 20,000/-

Full Page @ Rs. 10,000/-

Half Page @ Rs. 7,000/-

## Venue



## **SISTER NIVEDITA UNIVERSITY**

1/2, Newtown, DG Block (New town) Action Area I, West Bengal 700156

### **Address for correspondence**

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